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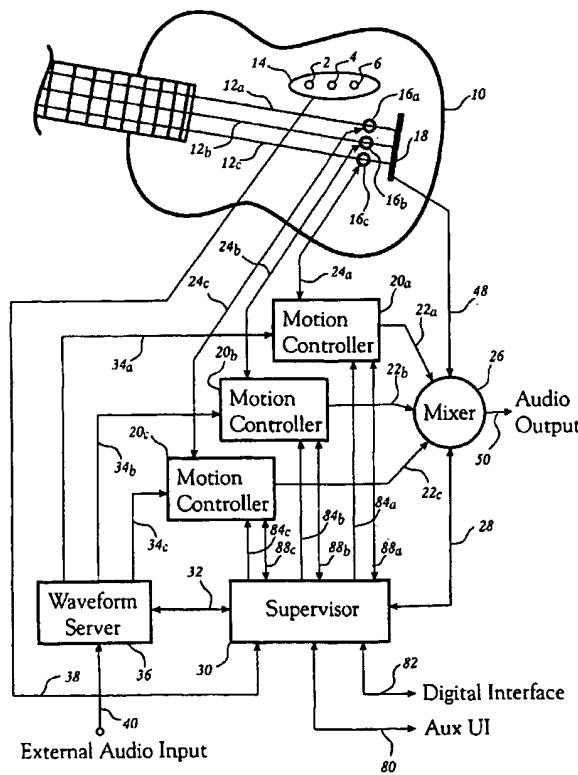
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(54) Title: A PLAYER TECHNIQUE CONTROL SYSTEM FOR A STRINGED INSTRUMENT AND METHOD OF PLAYING THE INSTRUMENT



(57) Abstract: A system for producing music from a stringed musical instrument includes a sensor/actuating transducer (16) arrangement coupled to each or all of one or a plurality of the tensioned strings (12) and supervisory system (30) that governs one or more motion controllers (20) associated with the transducer (16) to affect the string vibration through at least one actuator transducer (16) coupled to the string(s) (12) in accordance with technique commands issued by the player of the instrument, the technique commands being recognized by processes in the supervisor (30) from among characteristics of signal features extracted by further processes continuously analyzing the motional behavior of one or more strings.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G10H 3/00
 US CL : 84/723, 725, 730, 735, 737

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 84/600, 723, 725-726, 730-731, 735-742, DIG. 24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,852,919 A (LUDWIG) 08 February 2005 (08.02.2005), figures 22-26 and 50-60, column 16, lines 20-33, column 36, line 40 through column 38, line 58,	1-50

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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